

To: Williams, Mike[Mike.Williams@tetrattech.com]
From: McCoy, Erin
Sent: Tue 5/31/2016 2:37:09 PM
Subject: RE: Draft QAPP for Des Moines TCE

No to the TOC. We just need the DL table.

If you send that to me, I can add it to the QAPP. Thanks!



Erin McCoy, P.G. | Remedial Project Manager

EPA Region 7 | Superfund Division | Iowa Nebraska Branch

11201 Renner Blvd | Lenexa, KS 66219

Phone: 913.551.7977

mccoy.erin@epa.gov | www.epa.gov

From: Williams, Mike [mailto:Mike.Williams@tetrattech.com]
Sent: Tuesday, May 31, 2016 9:36 AM
To: McCoy, Erin <McCoy.Erin@epa.gov>
Subject: RE: Draft QAPP for Des Moines TCE

Hi Erin:

We'll put a table together. Do you want to add TOC to the sediment analysis?

Thanks,

Mike

Mike Williams | Sr. Project Manager/Hydrogeologist

415 Oak Street | Kansas City, Missouri 64106 | www.tetrattech.com
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From: McCoy, Erin [<mailto:McCoy.Erin@epa.gov>]
Sent: Tuesday, May 31, 2016 8:56 AM
To: Williams, Mike <Mike.Williams@tetrattech.com>
Subject: FW: Draft QAPP for Des Moines TCE

Mike, I just got the e-mail below since I've been on vacation. I do not think that we need to do all of this; however, I do agree with Vanessa's recommendation for the table with detection limits. If you can forward me a table with the DLs that we will be getting for the analyses, I'll attach it to the QAPP that I have. Thanks!



Erin McCoy, P.G. | Remedial Project Manager

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From: Madden, Venessa
Sent: Monday, May 23, 2016 7:19 AM
To: McCoy, Erin <McCoy.Erin@epa.gov>
Cc: McCabe, Greg <McCabe.Gregory@epa.gov>
Subject: RE: Draft QAPP for Des Moines TCE

Erin –

I have reviewed the QAPP, and have only one comment.

Typically QAPPs include a table with the required detection limits. I didn't see one, so I would request that they include that (the table should include the method and required DLs). I want to make sure they are getting low enough DLs from the lab. Therefore, I've attached Table 7 as a reference for required detection limits in sediment (for organics). The DLs should be equal to or lower than the PEC. Note that they may need to provide instructions requesting lower DLs in their ASR. For VOCs in sediment, DLs are not likely to be an issue. However, they may want to compare the method DLs to the screening levels from Region 5 (attached).

For surface water, have them refer to the National Ambient Water Quality Criteria (chronic) for necessary DLs. They should be equal to or less than the NAWQC.

Finally, we could get more information from the sediment data if they included organic carbon on the analysis.

Table 7. Expanded Risk Evaluation of Assessment Endpoint #1.

COPC (µg/kg)	EPC TERM	PEC	HQ _{PEC}	ESB	ESB _{ESB Tier2}	HQ _{ESB}
	(µg/kg)	(µg/kg)		(µg/g _{oc})	(µg/g _{oc})	(µg/g _{oc})

	UCL95	Median	½ max RL	PEC				
Aldrin	2600			61.8 ¹	42	49	12*	4.1
Aroclor 1016			1700	676 ²	2.5			
Aroclor 1221			1700	676 ²	2.5			
Aroclor 1232			1700	676 ²	2.5			
Aroclor 1242			1700	676 ²	2.5			
Aroclor 1248			1700	676 ²	2.5			
Aroclor 1254			850	676 ²	1.3			
Aroclor 1260			690	676 ²	1			
A-BHC			25.5	NA	NA	0.48	11	<1
B-BHC			65	NA	NA	1.22	11	<1
D-BHC			50	NA	NA	0.94	11	<1
G-BHC			34	4.99	6.8	0.64	0.37	1.7
Chlordane, technical	23829			17.6	1354			
p,p'-DDD		75		28	2.7			
p,p'-DDE		72		31.3	2.3			
p,p'-DDT			85	62.9	1.4			
Dieldrin	1533			61.8	24.8	28.9	12	2.4
Endosulfan I			50	NA	NA	0.94	0.33	2.9
Endosulfan II			50	NA	NA	0.94	1.6	<1
Endosulfan Sulfate			70	NA	NA	1.32	0.6	2.2
Endrin			70	207	<1	1.3	5.4	<1
Endrin Aldehyde			85	NA	NA			
Endrin Ketone			70	NA	NA			
Heptachlor		33		NA	NA			
Heptachlor Epoxide			50	16	3.1			
p,p'-Methoxychlor			170	NA	NA	1.6	1.9	<1
Toxaphene			1700	NA	NA	32.1	10	3.2
Total Organic Carbon	5.3							

1 - Because Aldrin is rapidly broken down to Dieldrin, the PEC and ESB for Dieldrin was used for comparison to Aldrin.

2- PEC based on Total PCBs.

From: McCoy, Erin
Sent: Friday, May 20, 2016 8:48 AM
To: Madden, Venessa <Madden.Venessa@epa.gov>
Subject: FW: Draft QAPP for Des Moines TCE
Importance: High

Vanessa, here is the Dico QAPP for the START work that is scheduled to take place June 6. This is the QAPP we discussed earlier this month that needs the fast turnaround time. If you could please have any comments to me by May 31, I'd appreciate it. I need to send them comments by that date in order to get everything approved to start field work June 6. I'm not sure if this pertains to you though, since we are not doing any eco, but I'd rather cover my basis than find out later my assumption was wrong. Please let me know if you have any questions. Thanks!



Erin McCoy, P.G. | Remedial Project Manager

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From: Williams, Mike [<mailto:Mike.Williams@tetrattech.com>]

Sent: Wednesday, May 18, 2016 4:25 PM

To: McCoy, Erin <McCoy.Erin@epa.gov>

Cc: Simpson, John <John.Simpson@tetrattech.com>

Subject: Draft QAPP for Des Moines TCE

Hello Erin:

Attached you will find the draft Quality Assurance Project Plan for Des Moines TCE (Task 0144). A hard copy will be sent out tomorrow. Feel free to contact me if you have any questions.

Best regards,

-Mike

Mike Williams | Sr. Project Manager/Hydrogeologist

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